Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/26/2019 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124164	-1	2.84	124294	2.84
Blue	F	SSC	125000	122652	-2	4.54	123463	4.45
Blue	E	FITC	16694	16437	-2	4.27	383	22.99
Blue	D	PE	32792	32157	-2	3.60	709	16.75
Blue	B	PerCP-Cy5-5	44451	43755	-2	5.21	1201	23.46
Blue	A	PE-Cy7	33645	33801	0	7.32	608	49.90
Red	C	APC	47008	46111	-2	3.22	1781	14.13
Red	A	APC-Cy7	32298	31766	-2	3.06	795	14.69
Violet	B	V450	8961	8559	-5	5.16	531	16.24
Violet	A	V500	32726	31192	-5	4.80	765	12.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20337	5.14	609	-4	N/A	N/A	Pass
Blue	F	SSC	55288	3.92	580	12	N/A	N/A	Pass
Blue	E	FITC	63	79.30	567	4	0.0148	243	Pass
Blue	D	PE	141	59.30	571	5	0.1297	312	Pass
Blue	B	PerCP-Cy5-5	221	60.70	675	4	0.0074	157	Pass
Blue	A	PE-Cy7	117	125.74	731	5	0.0083	26	Pass
Red	C	APC	407	29.56	616	3	0.0168	70	Pass
Red	A	APC-Cy7	195	33.15	588	3	0.0042	1027	Pass
Violet	B	V450	96	64.02	483	-3	0.0294	2478	Pass
Violet	A	V500	113	48.94	493	-3	0.0156	2059	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-32.16	1.10
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.26	13.60 - 20.40	N/A	N/A	29.28	29.74	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9991

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments